PTO/SB/08a (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

ubstitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of

Complete if Known					
Application Number	10/771,801				
Filing Date	02/04/2004				
First Named Inventor	SALE, Richard et al.				
Art Unit					
Examiner Name					
Attorney Docket Number	CUNO-407.3				

			U.S. PA1	TENT DOCUMENTS	
Examiner Initials	Cite No. ¹	Document Number Number Kind Code (il known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
M		US- 3,876,738	04/1975	Marinaccio et al.	
		US- 4,001,024	01/1977	Dittman et al.	
		US- 4,203,847	05/1980	Grandine, 2nd	
		US- 4,203,848	05/1980	Grandine, II	
\square		US- 4,340,479	07/1982	Pall	
		US- 4,340,480	07/1982	Pall et al.	
\Box		US- 4,489,671	12/1984	Choinski	
		US- 4,629,563	12/1986	Wrasidlo	
		US- 4,645,602	02/1987	Barnes, Jr. et al.	
		US- 4,707,265	11/1987	Barnes, Jr. et al.	
		US- 4,770,777	09/1988	Steadly et al.	
		US- 4,774,039	09/1988	Wrasidlo	
		US- 4,854,262	08/1989	Chino et al.	
		US- 4,933,081	06/1990	Sasaki et al.	
		US- 5,171,445	12/1992	Zepf	·
		US- 5,188,734	02/1993	Zepf	
		US- 5,256,357	10/1993	Hayward	
		US- 5,433,859	07/1995	Degan	-
-\		US- 5,500,167	03/1996	Degan	
AN		US- 5,620,790	04/1997	Holzki et al.	

ļ				FOR	EIGN PATENT DOC	CUMENTS		
Examiner	Cite	<u> </u>	Foreign Patent Do	cument	Publication Date	Name of Patentee or	Pages, Columns, Lines,	T
Initials	No.1	Office	Number ⁴	Kind ^a (if known)	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	76
AL		wo	93/22034		11/1993			\top
M		wo	99/47246		09/1999			\top
AR		wo	02/11868		02/2002			
 								
				-				
								$oxed{oxed}$
								\sqcup
السيا						<u> </u>		

Examiner Signature Date Considered 12/09/04

*EXAMINER: Initial If reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, Include copy of this form with next communication to applicant. Applicant's unique citation designation number (opflonal). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Stantlard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Stantlard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08a (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control or

Substitu	ite for form 1449A/P	то	. —	Co	omplete if Known	
INIT			01 001155	Application Number	10/771,801	
		_	CLOSURE	Filing Date	02/04/2004	
STA	TEMENT	BY A	PPLICANT	First Named Inventor	SALE, Richard et al.	
	,			Art Unit		
	(use as many sh	eets as	necessary)	Examiner Name		
Sheet	2	of	3	Attorney Docket Number	CUNO-407.3	

·			U.S. PAT	ENT DOCUMENTS	
Examiner Initials	Cite No.1	Document Number Number Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AF		US- 5,741,549	04/1998	Maier et al.	
\Box		US- 5,834,107	11/1998	Wang et al.	
4		US- 5,962,075	10/1999	Sartor et al.	
X.		US- 6,040,392	03/2000	Khanna et al.	
A		US- 6,090,441	07/2000	Vining et al.	
		US-			
		US-		•	
		US-			

			FORE	EIGN PATENT DOC	CUMENTS		
Cito	F	oreign Patent Do	ocument	Bublication Data	Name of Patentee or	Pages, Columns, Lines,	T
No.	Office ³	Number ⁴	Kind ⁵ (if known)	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T®
							\top
							+
							+
							\top
							\top
							\top
		Cite	Cite Crs 1	Cite No.1 Office3 Number4 Kind5	Cite No.1 Office3 Number4 Kind5 Publication Date	Cite Publication Date Name of Patentee or No. 1 Office3 Number Kind3 MM_DD.vvvv Applicant of Cited Document	Cite No.1 Office3 Number4 Kind3 Publication Date MM-DD-YYYY Applicant of Cited Document Passages or Relevant

Examiner Date Signature Considered *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and

not considered. Include copy of this form with next communication to applicant, - Applicant's unique citation designation number (optional). Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

		•			ATTY DOCKET NO. CUNO-407.3		SERIAL NO.	771,801	_
ئيسر ا	INFO	DRMATION DISCLOSUR (Use several sheets if nece.	E CITATION ssary)		APPLICANT(S) SALE, Richard et al.				
616	E 7				FILING DATE	.	ROUP		
MAY 0 3	2004	*	U.	S. PATENT					
XAMINER	- Cur	DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS		
NF		4,849,671	07/18/1989	Fendley					
1		6,126,826	10/03/2000	Pacheco	et al.				
		6,146,747	11/14/2000	Wang et	al.				
		6,264,044	07/24/2001	Meyerin	g et al.				
		6,280,791	08/28/2001	Meyerin	g et al.				
		6,413,070	07/02/2002	Meyerin	g et al.				
$\sqrt{\cdot}$	FILING DATE OZ/04/2004 OZ/04/2001 OZ								
AF		6,536,606	03/25/2003	Schneide	er et al.				
						, , ,			
			FORE	GN PATEN	IT DOCUMENTS				
		DOCUMENT NUMBER	DATE		COUNTRY	CLASS	SUBCLASS		ATION NO
		·							
				, <u></u>					
		OTHER DOCUME	NTS (Including	Author,	Title, Date, Pertinent P	ages, Etc.)	·		
	ł								
		·							
						•			
XAMINER	fl	In phose	and the same of th		DATE CONSIDERED	2/09	104		
EXAMINER: onsidered.	: Initial Include	if reference considered, whether copy of this form with next com	or not citation is in munication to appli	conforman	ce with MPEP 609; Draw line	through citati	on if not in conf	ormance ar	nd not

Form PTO-A820 (also form PTO-1449)

PTO/SB/08B (08-03)
Approved for use through 06/30/2006. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO		Complete if Known				
11150	DIALTIO			Application Number	10/771,801	
INFO	RIMATIO	A DIS	SCLOSURE	Filing Date	02/04/2004	
STA	TEMENT	BY A	PPLICANT	First Named Inventor	SALE, Richard et al.	
• • • • • • • • • • • • • • • • • • • •				Art Unit		
	(use as many	sheets a	s necessary)	Examiner Name		
Sheet	3	of	3	Attorney Docket Number	CUNO-407.3	

Examiner Include name of the author (in CAPITAL LETTERS), fills of the article (where appropriate), title of the item (book, magazine, journals, steal, symposium, catalog, act.), date, page(s), volume-issue number(s), publisher, city and/or country where published. ASTM (American Society for Testing and Materials) - Designation: E 1294-89 (Rapproved 1999) Sundard Test Method for Pore Size Characteristics of Membrane Filters Using Automated Liquid Porosimieter. TAYLOR, Shawn David, "Two Layer Slot Coating Study of Die Geometry and Interfacial Region," Master Thesis, McMaster University, Hamilton, Ontario, Canada, July 1997. KISTLER, Stephan F. et al., Editors, "Liquid Film Coating," Scientific Principles and Their Technical Implications, Chapman & Hall, 1997 Troller Schweizer Engineering, "Concepts and Criteria for Die Design," brochure.		_	OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS	
TAYLOR, Shawn David, "Two Layer Slot Coating Study of Die Geometry and Interfacial Region," Master Thesis, McMaster University, Hamilton, Ontario, Canada, July 1997. KISTLER, Stephan F. et al, Editors, "Liquid Film Coating," Scientific Principles and Their Technical Implications, Chapman & Hall, 1997			publisher, city and/or country where published.	Ţ
KISTLER, Stephan F. et al, Editors, "Liquid Film Coating," Scientific Principles and Their Technical Implications, Chapman & Hall, 1997	AF		ASTM (American Society for Testing and Materials) - Designation: E 1294-89 (Reapproved 1999) Standard Test Method for Pore Size Characteristics of Membrane Filters Using Automated Liquid Porosimeter.	
Implications, Chapman & Hall, 1997	AL		TAYLOR, Shawn David, "Two Layer Slot Coating Study of Die Geometry and Interfacial Region," Master Thesis, McMaster University, Hamilton, Ontario, Canada, July 1997.	
Troller Schweizer Engineering, "Concepts and Criteria for Die Design," brochure.	AF	-	KISTLER, Stephan F. et al, Editors, "Liquid Film Coating," Scientific Principles and Their Technical Implications, Chapman & Hall, 1997	
		П	Troller Schweizer Engineering, "Concepts and Criteria for Die Design," brochure.	t
	AL	\vdash		L
				┝
		\downarrow		
_				

Examiner Signature Considered 12/15/04

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not

¹ Applicant's unique citation designation number

² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.